IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ara Victor Nefian; Lu Hong Liang	§ § §	Group Art Unit: 2621
Serial No.: 10/649,070	§ §	
	§	Examiner: Unknown
Filed: August 27, 2003	§ §	
For: Identifying A Speaker Using Markov Models	§ § §	Atty. Dkt. No.: ITL.1033US (P16814)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants submit the references listed on the attached form PTO 1449, copies of the non-U. S. Patent references are enclosed.
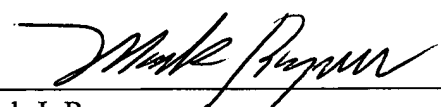
This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account 20-1504.
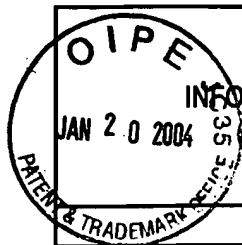
Respectfully submitted,

Date: _____January 15, 2004_____

_____
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21906
PATENT TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*	ATTY DOCKET NO. ITL.1033US (P16814)		SERIAL NO. 10/649,070
	APPLICANT(S): ARA VICTOR NEFIAN; LU HONG LIANG		
	FILING DATE: August 27, 2003		GROUP ART UNIT: 2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.	US 2003/0113018		Nefian et al.	382	181	01/23/2003
	B.						
	C.						
	D.						
	E.						
	F.						
	G.						
	H.						
	I.						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	J.							
	K.							
	L.							
	M.							
	N.							

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	O.	L. Liang, X. Liu, X. Pi, Y. Zhao, and A. V. Nefian. Speaker Independent Audio-Visual Continuous Speech Recognition. In *International Conference on Multimedia and Expo*, Vol. 2, pp. 25-28. Conference held August 26-29, 2002.
	P.	A. V. Nefian. Embedded Bayesian Networks for Face Recognition. In *IEEE International Conference on Mulitmedia and Expo*, Vol. 2, pp. 133-136. Conference held August 26-29, 2002.
	Q.	A. V. Nefian, L. Liang, T. Fu, X. Liu. A Bayesian Approach to Audio-Visual Speaker Identification. AVBPA03, pp. 761-69. January 2003
	R.	Ara V. Nefian and Monson H. Hayes III. "Hidden Markov models for face detection and recognition", IEEE International Conference on Image Processing, vol. 1, p. 141-145. October 1998.
	S.	Ara V. Nefian and Monson H. Hayes III. "Maximum Likelihood Training of the Embedded HMM for Face Detection and Recognition". In *IEEE International Conference on Image Processing*, Vol. 1, pp. 33-36. September 2000.
	T.	
	U.	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449